

10/808, 496

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1379	((514/217.06) or (514/263.22) or (544/277)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/02 11:10
L2	4	L1 and (tetrahydronaphthyrdin or tetrahydronaphthyridine)	US-PGPUB; USPAT	OR	OFF	2006/03/02 11:12

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 3 DEC 05 CASREACT(R) - Over 10 million reactions available  
NEWS 4 DEC 14 2006 MeSH terms loaded in MEDLINE/LMEDLINE  
NEWS 5 DEC 14 2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER  
NEWS 6 DEC 14 CA/CAplus to be enhanced with updated IPC codes  
NEWS 7 DEC 21 IPC search and display fields enhanced in CA/CAplus with the  
IPC reform  
NEWS 8 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/  
USPAT2  
NEWS 9 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB  
NEWS 10 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to  
INPADOC  
NEWS 11 JAN 17 Pre-1988 INPI data added to MARPAT  
NEWS 12 JAN 17 IPC 8 in the WPI family of databases including WPIFV  
NEWS 13 JAN 30 Saved answer limit increased  
NEWS 14 JAN 31 Monthly current-awareness alert (SDI) frequency  
added to TULSA  
NEWS 15 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist  
visualization results  
NEWS 16 FEB 22 Status of current WO (PCT) information on STN  
NEWS 17 FEB 22 The IPC thesaurus added to additional patent databases on STN  
NEWS 18 FEB 22 Updates in EPFULL; IPC 8 enhancements added  
NEWS 19 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 20 FEB 28 MEDLINE/LMEDLINE reload improves functionality  
NEWS 21 FEB 28 TOXCENTER reloaded with enhancements  
NEWS 22 FEB 28 REGISTRY/ZREGISTRY enhanced with more experimental spectral  
property data  
NEWS 23 MAR 01 INSPEC reloaded and enhanced

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.  
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT  
<http://download.cas.org/express/v8.0-Discover/>

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\* \*

FILE 'HOME' ENTERED AT 11:31:57 ON 02 MAR 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:32:32 ON 02 MAR 2006  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 MAR 2006 HIGHEST RN 875609-25-9  
DICTIONARY FILE UPDATES: 1 MAR 2006 HIGHEST RN 875609-25-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

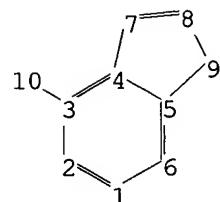
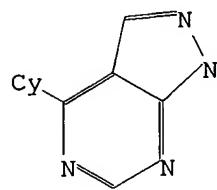
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10808496b.str

10/ 808,496



chain nodes :

10

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

3-10

ring bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9

exact/norm bonds :

3-10 5-9 7-8 8-9

exact bonds :

4-7

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

Match level :

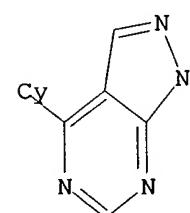
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR

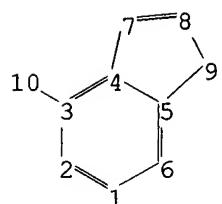
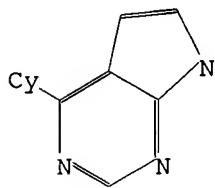


Structure attributes must be viewed using STN Express query preparation.

=>

Uploading C:\Program Files\Stnexp\Queries\10808496a.str

10/ 808,496



chain nodes :

10

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

3-10

ring bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9

exact/norm bonds :

3-10 5-9 8-9

exact bonds :

4-7 7-8

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

Match level :

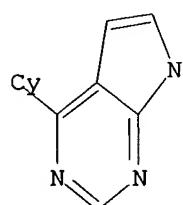
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

L2 STRUCTURE UPLOADED

=> d 12

L2 HAS NO ANSWERS

L2 STR

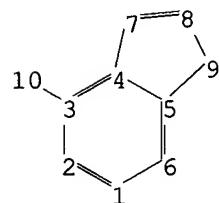
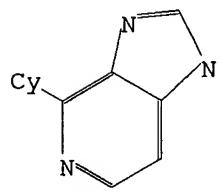


Structure attributes must be viewed using STN Express query preparation.

=>

Uploading C:\Program Files\Stnexp\Queries\10808496.str

10/ 808,496



chain nodes :

10

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

3-10

ring bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9

exact/norm bonds :

3-10 4-7 5-9 7-8 8-9

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

L3 STRUCTURE UPLOADED

=> d 13

L3 HAS NO ANSWERS

L3 STR



Structure attributes must be viewed using STN Express query preparation.

=> s naphthyrid?

L4 61222 NAPHTHYRID?

=> s 11 full

FULL SEARCH INITIATED 11:33:45 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 30025 TO ITERATE

100.0% PROCESSED 30025 ITERATIONS  
SEARCH TIME: 00.00.01

5081 ANSWERS

L5 5081 SEA SSS FUL L1

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=> s 12 full  
FULL SEARCH INITIATED 11:33:54 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 36986 TO ITERATE

100.0% PROCESSED 36986 ITERATIONS 1789 ANSWERS  
SEARCH TIME: 00.00.02

L6 1789 SEA SSS FUL L2

=> s 13 full  
FULL SEARCH INITIATED 11:34:01 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 58918 TO ITERATE

100.0% PROCESSED 58918 ITERATIONS 611 ANSWERS  
SEARCH TIME: 00.00.02

L7 611 SEA SSS FUL L3

=> d his

(FILE 'HOME' ENTERED AT 11:31:57 ON 02 MAR 2006)

FILE 'REGISTRY' ENTERED AT 11:32:32 ON 02 MAR 2006  
L1 STRUCTURE uploaded  
L2 STRUCTURE uploaded  
L3 STRUCTURE uploaded  
L4 61222 S NAPHTHYRID?  
L5 5081 S L1 FULL  
L6 1789 S L2 FULL  
L7 611 S L3 FULL

=> s 15 and 14  
L8 0 L5 AND L4

=> s 16 and 14  
L9 1 L6 AND L4

=> s 17 and 14  
L10 0 L7 AND L4

=> fie hcaplus  
FIE IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (>).

=> file hcaplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
  ENTRY SESSION  
FULL ESTIMATED COST                  506.02 506.23

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FILE COVERS 1907 - 2 Mar 2006 VOL 144 ISS 10  
FILE LAST UPDATED: 1 Mar 2006 (20060301/ED)

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This file contains CAS Registry Numbers for easy and accurate  
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FILE 'REGISTRY' ENTERED AT 11:32:32 ON 02 MAR 2006

L1           STRUCTURE UPLOADED  
L2           STRUCTURE UPLOADED  
L3           STRUCTURE UPLOADED  
L4        61222 S NAPHTHYRID?  
L5        5081 S L1 FULL  
L6        1789 S L2 FULL  
L7        611 S L3 FULL  
L8        0 S L5 AND L4  
L9        1 S L6 AND L4  
L10      0 S L7 AND L4

FILE 'HCAPLUS' ENTERED AT 11:35:06 ON 02 MAR 2006

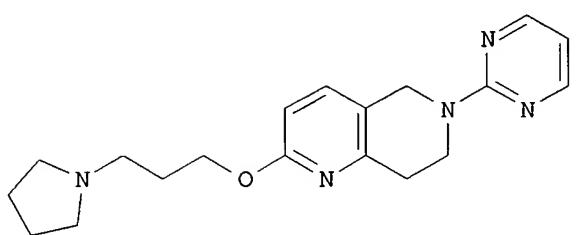
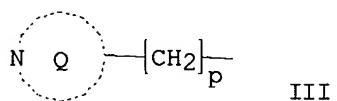
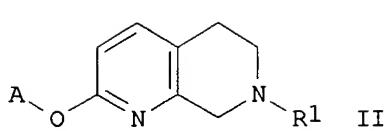
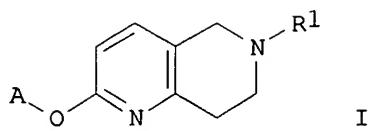
=> s 19  
L11        1 L9

=> d l11 1- ibib abs hitstr  
YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/ (N):y

L11 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:1211458 HCAPLUS  
 DOCUMENT NUMBER: 143:477951  
 TITLE: Preparation of tetrahydronaphthyridines as histamine H3 receptor ligands  
 INVENTOR(S): Strang, Ross Sinclair; Lunn, Graham; Mathias, John Paul  
 PATENT ASSIGNEE(S): Pfizer Limited, UK  
 SOURCE: Eur. Pat. Appl., 72 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1595881	A1	20051116	EP 2004-291222	20040512
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
WO 2005111036	A1	20051124	WO 2005-IB1267	20050506
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
NL 1029016	A1	20051115	NL 2005-1029016	20050511
US 2005256135	A1	20051117	US 2005-128804	20050512
PRIORITY APPLN. INFO.:			EP 2004-291222	A 20040512
			US 2004-585139P	P 20040701

OTHER SOURCE(S): MARPAT 143:477951  
 GI



AB The title compds. I or II [R1 = (un)substituted Het1; A = (CH<sub>2</sub>)<sub>m</sub>NR<sub>7</sub>R<sub>8</sub> (wherein m = 2-6; R<sub>7</sub>, R<sub>8</sub> = H, alkyl, cycloalkyl, hydroxyalkyl or (un)substituted NR<sub>7</sub>R<sub>8</sub> = 4-7 membered saturated heterocyclyl optionally containing more heteroatoms), III (p = 0-2; Q = (un)substituted 4-6 membered saturated heterocyclyl); Het1 = monocyclic or bicyclic heteroaryl having 5-10 ring members which contain 1-4 heteroatoms selected from N, O and S] which are H<sub>3</sub> ligands and are useful in numerous diseases, disorders and conditions, in particular inflammatory, allergic and respiratory diseases, disorders and conditions, were prepared. Thus, reacting 2-(3-pyrrolidin-1-ylpropoxy)-5,6,7,8-tetrahydro-1,6-naphthyridine (preparation given) with 2-bromopyrimidine afforded 24% IV. The exemplified compds. I and II have been tested in the H<sub>3</sub> assays and were found to have a Ki value of less than 1000 nM in the H<sub>3</sub> cell based functional assay. The most preferred examples have a Ki value of less than 30 nM in the H<sub>3</sub> cell based functional assay and a Ki value of greater than 4500 nM in the dofetilide binding assay. The pharmaceutical compns. comprising the compds. I or II alone or in combination with other pharmacol. active agent are disclosed.

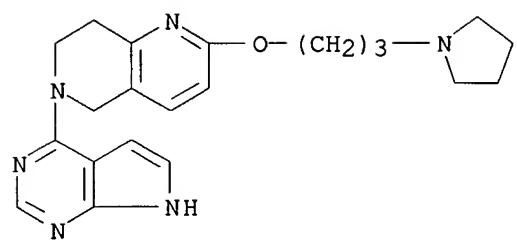
IT **869640-09-5P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of tetrahydronaphthyridines as histamine H<sub>3</sub> receptor ligands)

RN 869640-09-5 HCPLUS

CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-2-[3-(1-pyrrolidinyl)propoxy]-6-(1H-pyrrolo[2,3-d]pyrimidin-4-yl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/ 808,496

=> d his

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L5        5081 S L1 FULL  
L6        1789 S L2 FULL  
L7        611 S L3 FULL  
L8        0 S L5 AND L4  
L9        1 S L6 AND L4  
L10      0 S L7 AND L4

FILE 'HCAPLUS' ENTERED AT 11:35:06 ON 02 MAR 2006

L11        1 S L9

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.64	513.87
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.75	-0.75

STN INTERNATIONAL LOGOFF AT 11:35:43 ON 02 MAR 2006